

at least one clock generating circuit capable of supplying an external synchronization signal,

- at least one connector for plugging in a removable connecting element on one of said second external sides of said clock module in order
 5 to transmit said external synchronization signal on a bus connecting adjacent modules in said modular acquisition system.

24. The modular system of claim 22, further comprising a trigger module for supplying a trigger signal to one or several modules in a modular data acquisition system, wherein said trigger module comprises:

- 10 connecting means for removably inserting the trigger module in a slot of said modular acquisition system,

a trigger generating circuit capable of generating a trigger signal in response to a predefined event on an acquisition channel of the modular acquisition system,

- 15 at least one connector for plugging in a removable connecting element on one of said second external sides of said trigger module in order to transmit a trigger signal on a bus connecting adjacent modules in said modular acquisition system.

- 20 25. The modular system of claim 24, wherein said connector makes it possible to simultaneously plug in two removable connecting elements enabling said trigger signal to be transmitted to two adjacent modules in said modular acquisition system.

26. The modular system of claim 24, wherein said trigger module comprises an acquisition channel comprising:

- 25 at least an analog-to-digital converter,